APPENDIX F

LOGIC DIAGRAM FOR PARAGRAPHS 250-253

ALL ACID GAS FLARING/TAIL GAS INCIDENTS

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250

Was the Root Cause:

- failure to follow written procedures? or
- error resulting from careless operation by the personnel charged with the responsibility for the SRPs, TGU, or Upstream Process Units? or
- equipment failure due to failure by Valero to operate and maintain that equipment in a manner consistent with good engineering practices?

Yes

Paragraph 260(a) applies unless Valero can establish a defense under the applicable provisions of Paragraph 253.

No

251

Did the AG Flaring or TG Incident:

- result in emissions of SO₂ at a rate greater than 20 lbs/hr continuously for three consecutive hours or more and Valero did not follow the PMO Plan and took no steps to limit the duration and/or quantity of SO₂ associated with the AG Flaring or TG Incident?
- cause the total number of AG Flaring or TG Incidents in a rolling 12 month period to exceed 5?

Yes

Paragraph 260(a) applies unless Valero can establish a defense under the applicable provisions of Paragraph 253.

No

252b

Is this the first time for the Root Cause of this AG Flaring or TG Incident?

No

252a
Is the Root Cause on the list of agreed-upon Malfunctions?

Yes

STOP

No '

Paragraph 260(a) applies with caveats set forth in Paragraph 252c, and unless Valero can establish a defense under the applicable provisions of Paragraph 253.

Yes

Was the Root Cause sudden, infrequent, and not reasonably preventable through the exercise of good engineering practice?

No

Implement Corrective Action pursuant to Paragraph 245.

Yes

Establish and update a list of agreed-upon Malfunctions

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Dhv

STOP